

Analytical monitoring of CW agent content in the reactive mass, on the surface of equipment and in the air is carried out periodically in the AL-4 laboratory, and the ambient air in the working area is continuously monitored by means of gas indicators.

For safety reasons, personnel working on the mobile unit wear individual equipment to protect the respiratory organs and skin.

Personnel not less than 18 years of age who have suitable training and skills and are physically fit are allowed to work in the unit.

Before commencing a shift, the operating personnel undergo a compulsory medical check and are given instruction in safety procedures. The medical check is carried out by a specialist. Instruction in safety precautions is provided by a safety officer and training specialist.

Immediately before proceeding with the destruction of chemical weapons, the personnel assigned to carry out the process wear individual protective clothing for the skin and respiratory which is stored in a special chamber in a special chamber. A full set of individual protective clothing is required for work with damaged equipment. When working in technically sound chemical weapons, personnel are permitted to wear individual protective clothing, but must wear respirators. The degree of protection is determined by the nature of the work being carried out. During the destruction of chemical weapons, when ambient air temperature is high, work is organized with shortened shifts.

The principal operations required by the laboratory are mechanized.

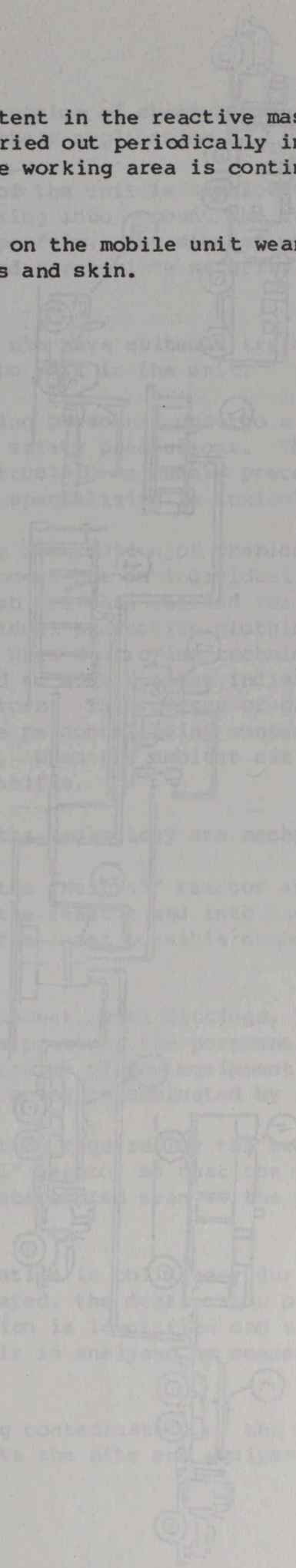
The agents and reagents are fed into the reactor and the reaction products are pumped out of the reactor and into the furnace for destruction. The chemical wastes are pumped into the furnace for destruction.

The design of the reactor and other equipment, including "initial" reactor and other gasometers and components, prevents the personnel from coming into contact with the agent and is carried out in accordance with various procedures to ensure the safety of the personnel. This is guaranteed by inhalation.

An obligation is placed on the operating personnel to ensure that the technology is maintained in accordance with the "initial" design so that the process of destruction of chemical weapons can be interrupted even in the event of a power supply failure.

Continuous monitoring of the air in the working area is carried out during operation of the unit. If a leak is detected, the destruction process is halted and the cause of the leak is identified and eliminated. If the leak is not eliminated, the air is analyzed by means of a rapid detector.

In the event of a leak involving contact with the working area, the operating personnel wear individual protective clothing and equipment.



1. Reactor
2. Gasometer
3. Gasometer
4. Gasometer
5. Gasometer
6. Gasometer
7. Gasometer
8. Gasometer
9. Gasometer
10. Furnace